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RAW SEQUENCE LISTING

DATE: 03/14/2002

PATENT APPLICATION: US/09/828,645

TIME: 13:58:34

Input Set : A:\09828645 sequence list.txt

Output Set: N:\CRF3\03142002\I828645.raw

2 <110> APPLICANT: Hu, Yao Xiong
 4 <120> TITLE OF INVENTION: Immunological Methodology for Discerning Human
 Papillomavirus
 6 <130> FILE REFERENCE: 146-1-002
 8 <140> CURRENT APPLICATION NUMBER: 09/828,645
 9 <141> CURRENT FILING DATE: 2001-04-05
 11 <150> PRIOR APPLICATION NUMBER: US 60/194,796
 12 <151> PRIOR FILING DATE: 2000-04-05
 14 <160> NUMBER OF SEQ ID NOS: 8
 16 <170> SOFTWARE: PatentIn version 3.1
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 19
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Artificial Sequence
 23 <220> FEATURE:
 24 <223> OTHER INFORMATION: Derived from the E2 early region of HPV-16
 26 <400> SEQUENCE: 1
 28 Asp Ile Cys Asn Thr Met His Tyr Thr Asn Trp Thr His Ile Tyr Ile
 29 1 5 10 15
 32 Cys Glu Glu
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 38 <212> TYPE: PRT
 39 <213> ORGANISM: Artificial Sequence
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: Derived from the E2 early region of HPV-16
 44 <400> SEQUENCE: 2
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 47 1 5 10 15
 50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 30
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Artificial Sequence
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: Derived from the E7 early region of HPV-16
 58 <400> SEQUENCE: 3
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 61 1 5 10 15
 64 Leu Tyr Cys Tyr Glu Gln Leu Asn Asp Ser Ser Glu Glu Glu
 65 20 25 30
 68 <210> SEQ ID NO: 4
 69 <211> LENGTH: 20
 70 <212> TYPE: PRT
 71 <213> ORGANISM: Artificial Sequence

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73 <220> FEATURE:
74 <223> OTHER INFORMATION: Derived from the E7 early region of HPV-16
76 <400> SEQUENCE: 4
78 Cys Asp Ser Thr Leu Arg Leu Cys Val Gln Ser Thr His Val Asp Ile
79 1          5          10          15
82 Arg Thr Leu Glu
83          20
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87 <211> LENGTH: 19
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Derived from the E2 early region of HPV-18
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96 Glu Lys Thr Gly Ile Leu Thr Val Thr Tyr His Ser Glu Thr Gln Arg
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113 <221> NAME/KEY: MISC_FEATURE
114 <222> LOCATION: (3)..(3)
115 <223> OTHER INFORMATION: Xaa = L-Carboxymethylcysteine
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120 <222> LOCATION: (17)..(17)
121 <223> OTHER INFORMATION: Xaa = L-Carboxymethylcysteine
124 <400> SEQUENCE: 6
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127 1          5          10          15
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134 <210> SEQ ID NO: 7
135 <211> LENGTH: 30
136 <212> TYPE: PRT
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140 <223> OTHER INFORMATION: Derived from the E7 early region of HPV-16
142 <220> FEATURE:
143 <221> NAME/KEY: misc_feature
144 <222> LOCATION: (19)..(19)
145 <223> OTHER INFORMATION: Xaa = L-carboxymethylcysteine
148 <400> SEQUENCE: 7
150 Pro Thr Leu His Glu Tyr Met Leu Asp Leu Gln Pro Glu Thr Thr Asp
151 1          5          10          15
W--> 154 Leu Tyr Xaa Tyr Glu Gln Leu Asn Asp Ser Ser Glu Glu Glu

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159 <211> LENGTH: 20
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166 <220> FEATURE:
167 <221> NAME/KEY: misc_feature
168 <222> LOCATION: (1)..(1)
169 <223> OTHER INFORMATION: Xaa = L-carboxymethylcysteine
172 <220> FEATURE:
173 <221> NAME/KEY: misc_feature
174 <222> LOCATION: (8)..(8)
175 <223> OTHER INFORMATION: Xaa = L-carboxymethylcysteine
178 <400> SEQUENCE: 8
W--> 180 Xaa Asp Ser Thr Leu Arg Leu Xaa Val Gln Ser Thr His Val Asp Ile
181 1          5          10          15
184 Arg Thr Leu Glu
185          20

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VERIFICATION SUMMARY

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Input Set : A:\09828645 sequence list.txt

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L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8